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Docket No.: 4590-503

**PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Christophe TAURAND

Confirmation No. 5497

U.S. Patent Application No. 10/573,785

Group Art Unit: 2831

Filed: March 28, 2006

Examiner: N/A

For: SYSTEM FOR EQUILIBRATING AN ENERGY STORAGE DEVICE

#### REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark

Office in the above-referenced application, on which we noticed that the title has a typographical
error, namely <u>quilibrating</u> should be <u>equilibrating</u>. Please correct the title to SYSTEM FOR

EQUILIBRATING AN ENERGY STORAGE DEVIVE and issue a corrected filing receipt.

Respectfully submitted.

LOWE HAUPTMAN & BERNER, LLP

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1700 Diagonal Road, Suite 300 Alexandria, Virginia 22314 703-684-1111 KMB/cac

Facsimile: 703-518-5499 Date: January 10, 2007

CERTIFICATION OF FACSIMILE TRANSMISSION

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#### United States Patent and Trademark Office

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/573,785	03/28/2006	2831	900	4590-503	7	13	3

**CONFIRMATION NO. 5497** 

**FILING RECEIPT** 

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Date Mailed: 12/15/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt Incorporating the requested corrections (if appropriate).

Applicant(s)

Christophe Taurand, Valence, FRANCE;

Power of Attorney: The patent practitioners associated with Customer Number 33308.

Domestic Priority data as claimed by applicant

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This application is a 371 of PCT/EP04/52325 09/27/2004

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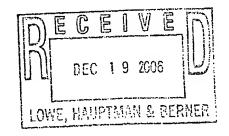
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/573.785** 

Projected Publication Date: 03/22/2007

Non-Publication Request: No

Early Publication Request: No

Title



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System for guilibrating an energy storage device

**Preliminary Class** 

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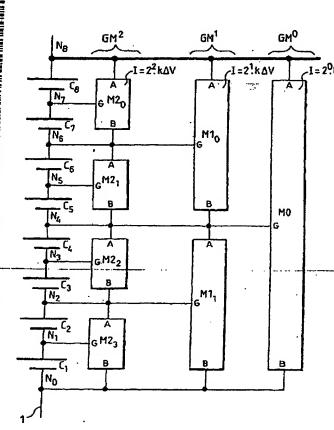
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[Suite sur la page suivante]

- (54) Title: SYSTEM FOR EQUILIBRATING AN ENERGY STORAGE DEVICE
- (54) Titre: SYSTEME D'EQUILIBRAGE D'UN DISPOSITIF DE STOCKAGE D'ENERGIE



- (57) Abstract: The invention relates to an energy storage device, comprising a serial network of storage elements C1, ... Cn, embodied for the continuous supply of a voltage to the pins thereof, provided with an equilibrating system for the elements, comprising a number of charge transfer modules Mi, j, each module M, j providing a linear and bi-directional transfer of charge of the first order between two storage elements Ci and Cj of said network. Each energy storage element is connected to p modules, p= n-1, each of the p modules pairing said element with another element of the network. The time for re-equilibration is bence reduced.
- (57) Abrégé: Dans un dispositif de stockage d'énergie comprenant un réseau série de n éléments de stockage C1, ... Cn, apte à fournir une tension continue à ses bornes, un système d'équilibrage des éléments est prévu comprenant une pluralité de modules Mi,j de transfert de charge, chaque module M,j assurant un transfert de charge bidirectionnel et linéaire au premier ordre entre deux éléments de stockage Ci et Ci dudit réscau. Chaque élément de stockage d'énergie est connecté à p modules, p≤ n-1, chacun des p modules appairant ledit élément avec un autre élément du réseau. On réduit ainsi le temps nécessaire au rééquilibrage.